

CLAIMS

What is claimed is:

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A. A system for preventing theft of an object, comprising:
2 an electronic article surveillance (EAS) device operatively attached to an
3 object;
4 a security path for detection of said EAS device;
5 a reader operatively coupled to said security path; and
6 a smart card for being read by said reader, said smart card containing an
7 identification profile of an authorized user of said object.

1 2. The system according to claim 1, wherein said EAS device comprises an
2 acousto-magnetic tag.

1 3. The system according to claim 1, wherein said EAS device comprises a low
2 frequency tag having a frequency in a range of about 100 Hz to about 1000 Hz,
3 said low frequency tag being formed of a pattern of wires and strips that
4 produce a predetermined harmonic field.

1 4. The system according to claim 1, wherein said EAS device comprises a radio
2 frequency (RF) tag.

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1 ~~Sub 7~~ The system according to claim 1, wherein said security path includes a gate for
2 interrogating said EAS device, said gate including said reader one of built
3 integrally thereto and in a proximity thereof.

1 6. The system according to claim 1, further comprising a computer coupled to
2 said reader, said computer containing a database including information regarding
3 said authorized user of said object.

1 7. The system according to claim 1, further comprising an alarm operatively
2 coupled to said security path,
3 wherein upon passage through said path, said EAS device triggers the path
4 to activate said alarm.

1 8. The system according to claim 7, further comprising a video receiver
2 operatively coupled to said path, said path activating said video receiver upon
3 interrogating said EAS device.

1 ~~Sub 9~~ The system according to claim 7, wherein one of said alarm is turned off and an
2 authorized user is allowed free passage through said path, when said authorized
3 person exhibits said smart card to said reader.

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1 10. The system according to claim 1, further comprising a storage device, coupled
2 to said reader, containing information on personnel authorized to enter through or
3 exit through said path with said object.

1 11. The system according to claim 6, wherein said computer logs a time and user
2 identity related to passage through said path.

1 12. The system according to claim 1, wherein said smart card comprises a direct
2 contact smart card.

1 13. The system according to claim 1, wherein said smart card comprises a
2 contact-less smart card.

1 14. The system according to claim 1, wherein said smart card comprises a
2 magnetic strip containing a code.

1 *Sub* A method for preventing theft of an object, comprising:
2 *Al* operatively attaching an electronic article surveillance (EAS) device to an
3 object;
4 detecting said EAS device as said object traverses a security path;
5 operatively coupling a reader to said security path; and

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6 reading, by said reader, a smart card being presented to said reader as said
7 object traverses said security path, said smart card containing an identification
8 profile of an authorized user of said object.

1 16. The method according to claim 15, wherein said EAS device comprises an
2 acousto-magnetic tag.

1 17. The method according to claim 15, wherein said EAS device comprises a low
2 frequency tag having a frequency in a range of about 100 Hz to about 1000 Hz,
3 said low frequency tag being formed of a pattern of wires and strips that
4 produce a predetermined harmonic field.

1 18. The method according to claim 15, wherein said EAS device comprises a
2 radio frequency (RF) tag.

1 Sub A3 19. The method according to claim 15, wherein said security path includes a gate
2 for interrogating said EAS device, said gate including said reader one of built
3 integrally thereto and in a proximity thereof.

1 20. The method according to claim 15, further comprising:
2 coupling a computer to said reader, said computer containing a database
3 including information regarding said authorized user of said object; and

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- 4 operatively coupling an alarm to said security path,
5 wherein upon passage through said path, said EAS device triggers the path
6 to activate said alarm.

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